

Q1 Explain the following terms:

(i) Power supply :- A Power Supply unit (PSU) converts mains AC to low voltage DC Power for the Internal components of a computer. Modern personal computers universally use switch-made Power supplies. Some Power supplies have a manual switch for selecting input voltage, while others automatically adapt to the mains voltage.

(ii) Motherboard :- The motherboard is the backbone that ties the computer's components together at one spot and allows them to talk to each other. Without it, none of the computer pieces, such as the CPU, GPU, RAM, drive, etc., would work. Total motherboard functionality is necessary for a computer to work well.

Q2 Define system software in detail.

* System software is a software designed to provide a platform for other software. Examples of system software include operating systems like macOS, Linux, Android, MS Windows, Computational Science software, game engines, search engines, industrial automation, and software as a service applications.